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SUBJ: GIANT SCALE/GIANT NAIL EVAL COMPARISON

1. AS REQUESTED IN REF MSG, EVAL OF IMAGERY MADE BETWEEN MSNS GS-208, GS-210, GN-141 AND GN-147. EVAL REVEALED THAT BOTH GIANT NAIL MSNS CONTAINED IMAGERY BETTER THAN BEST IMAGERY IN TWO GIANT SCALE MSNS EVALUATED. GROUND RESOLUTION ESTIMATES FOR EACH CAM IS AS FOLLOWS: _____

GN-141

GN- 147

GS-210 OPS CAM

GS-210 TECH CAM

GS-208 OPS CAM

GS-208 TECH CAM

2. GROUND

GS-200 TECH. CHART
2. GROUND RES IS AFFECTED BY TWO BASIC FACTORS - RESOLUTION OF
SYSTEM (LENS/FILM COMBINATION) AND SCALE. BOTH GIANT NAIL AND OP
CAMS USE FILM TYPE 3404 AND HAVE PETZVAL TYPE LENSES. HOWEVER,

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SCALE OF GIANT NAIL MSN IS TWICE THAT OF OP CAM AT OPERATIONAL ALTITUDES. SINCE GROUND RES INCREASES WITH SCALE OF PHOTOGRAPHY, GIANT NAIL PHOTOGRAPHY SHOULD PROVIDE CONSISTENTLY BETTER GROUND RES. THE TECH CAM PROVIDES LARGEST SCALE IMAGERY; HOWEVER, GROUND RES IS REDUCED BECAUSE OF HIGHER GRANULARITY OF FILM TYPE 206 AS COMPARED TO TYPE 3404 FILM.

ADVANCE CY
SANITIZED
WITH TEXT

3. TOTAL AREA COVERED BY GIANT NAIL MSN GREATER THAN THAT COVERED BY GIANT SCALE MSN. IN VERTICAL MODE, GIANT NAIL PHOTOGRAPHY COVERS A TOTAL OF 227,362 SQ NM MONO COVERAGE, AND 129,417 SQ NM IN STEREO MODE. WHILE GIANT SCALE PHOTOGRAPHY COVERS 92,750 SQ NM.

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